

WHAT IS CLAIMED IS:

1 1. A method for batch registration of an integrated digital loop carrier (IDLC) subscriber
2 using program loaded data (PLD) of an exchange, comprising:

3 (a) opening a program loaded data (PLD) file of an exchange selected by a client terminal
4 accessing through a network, and listing and displaying, on a graphical user interface of the client
5 terminal, information relative to subscribers included in the program loaded data (PLD) file;

6 (b) displaying, on the graphical user interface of the client terminal, shelf information of
7 an integrated digital loop carrier (IDLC) network element which will accept the subscribers
8 included in the program loaded data (PLD) file;

9 (c) receiving a shelf range in the displayed network element, and displaying the shelf range
10 on the graphical user interface of the client terminal when a mode for designing subscriber
11 constitution by shelves is selected;

12 (d) receiving a list of a range of the subscribers who will be accepted in the shelf within
13 a designated range of the subscribers, and displaying the list on the graphical user interface of the
14 client terminal; and

15 (e) transmitting a command for registering the subscribers within the designated range in
16 the shelf within the designated range, performing batch registration of a subscriber for a
17 corresponding shelf, receiving verification information for registration of the subscriber from the
18 corresponding shelf, and displaying a result on the graphical user interface of the client terminal.

1 2. The method of claim 1, wherein step (a) comprises the steps of:
2 opening the program loaded data (PLD) file of the exchange, and storing the subscriber data
3 in a memory in the form of a table;
4 displaying the subscriber data stored in the table in a first area of the graphical user
5 interface of the client terminal; and
6 extracting and displaying, in a second area of the graphical user interface of the client
7 terminal, V5IDs and L3 addresses of each subscriber from the subscriber data stored in the table.

1 3. The method of claim 2, wherein the table comprises subscriber information to enable
2 an operator to search each subscriber data, confirm whether subscribers are PSTN subscribers or
3 general telephone subscribers, and display a result so as to register the subscribers in the
4 corresponding shelf.

1 4. The method of claim 1, wherein step (b) comprises displaying a list of shelves of the
2 element, a number of slots in a subscriber line unit set up in each shelf, and a total number of
3 available ports.

1 5. A recording medium which is executed by a computer device, and which includes an
2 electromagnetically-stored program for performing a method for batch registration of an integrated
3 digital loop carrier (IDLC) subscriber using a program loaded data (PLD) of an exchange, said
4 method comprising:

5 (a) opening a program loaded data (PLD) file of an exchange selected by a client terminal
6 accessing through a network, and listing and displaying, on a graphical user interface of the client
7 terminal, information relative to subscribers included in the program loaded data (PLD) file;

8 (b) displaying, on the graphical user interface of the client terminal, shelf information of
9 an integrated digital loop carrier (IDLC) network element which will accept the subscribers
10 included in the program loaded data (PLD) file;

11 (c) receiving a shelf range in the displayed network element, and displaying the shelf range
12 on the graphical user interface of the client terminal when a mode for designing subscriber
13 constitution by shelves is selected;

14 (d) receiving a list of a range of the subscribers who will be accepted in the shelf within
15 a designated range of the subscribers, and displaying the list on the graphical user interface of the
16 client terminal; and

17 (e) transmitting a command for registering the subscribers within the designated range in
18 the shelf within the designated range, performing batch registration of a subscriber for a
19 corresponding shelf, receiving verification information for registration of the subscriber from the
20 corresponding shelf, and displaying a result on the graphical user interface of the client terminal.

1 6. The recording medium of claim 5, wherein step (a) comprises the steps of:
2 opening the program loaded data (PLD) file of the exchange, and storing the subscriber data
3 in a memory in the form of a table;
4 displaying the subscriber data stored in the table in a first area of the graphical user

5 interface of the client terminal; and

6 extracting and displaying, in a second area of the graphical user interface of the client
7 terminal, V5IDs and L3 addresses of each subscriber from the subscriber data stored in the table.

1 7. The recording medium of claim 6, wherein the table comprises subscriber information
2 to enable an operator to search each subscriber data, confirm whether subscribers are PSTN
3 subscribers or general telephone subscribers, and display a result so as to register the subscribers
4 in the corresponding shelf.

1 8. The recording medium of claim 5, wherein step (b) comprises displaying a list of
2 shelves of the element, a number of slots in a subscriber line unit set up in each shelf, and a total
3 number of available ports.

1 9. An element management system server, comprising:
2 storing and display means for storing at least one exchange program loaded data (PLD), for
3 opening a program loaded data (PLD) file of an exchange selected by a client terminal linked to
4 the server through a network, and for listing and displaying, on a graphical user interface of the
5 client terminal, information relative to subscribers included in the program loaded data (PLD) file
6 according to input information from the client terminal;

7 display means for displaying, on the graphical user interface of the client terminal, shelf
8 information of an integrated digital loop carrier (IDLC) network element which will accept the

9 subscribers included in the program loaded data (PLD) file;

10 receiving and displaying means for receiving a shelf range in the displayed network
11 element, and for displaying the shelf range on the graphical user interface of the client terminal
12 when a mode for designing subscriber constitution by shelves is selected;

13 additional receiving and displaying means for receiving a list of a range of the subscribers
14 who will be accepted in the shelf within a designated range of the listed subscribers, and for
15 displaying the list on the graphical user interface of the client terminal; and

16 transmitting means for transmitting a command for registering the subscribers within the
17 designated range in the shelf within the designated range, for performing batch registration of a
18 subscriber for a corresponding shelf, for receiving verification information for registration of the
19 subscriber from the corresponding shelf, and for displaying a result on the graphical user interface
20 of the client terminal.

1 10. The element management system server of claim 1, wherein the storing and display
2 means opens the program loaded data (PLD) file of the exchange, stores the subscriber data in a
3 memory in the form of a table, displays the subscriber data stored in the table in a first area of the
4 graphical user interface of the client terminal, and extracts and displays, in a second area of the
5 graphical user interface of the client terminal, V5IDs and L3 addresses of each subscriber from the
6 subscriber data stored in the table.

1 11. The element management system server of claim 10, wherein the table comprises

2 subscriber information to enable an operator to search each subscriber data, confirm whether
3 subscribers are PSTN subscribers or general telephone subscribers, and display a result so as to
4 register the subscribers in the corresponding shelf.

1 12. The element management system server of claim 9, wherein the display means
2 displays a list of shelves of the element, a number of slots in a subscriber line unit set up in each
3 shelf, and a total number of available ports.